

Executive board 7 June 2008  
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Present:

A. Blondel, A. Bross, J. Cobb, D. Kaplan, K. Long, A. Nichols, V. Palladino, M. Zisman

Excused

M. Bonesini, M. Ellis, Y. Kuno

Absent

S. Ishimoto

## 1. Matters arising from the Technical Coordination, Project Management

The following two items in the infrastructure project are causing concern.

A) the false floor: magnetic calculations are required rapidly; RAL PPD (Norman McCubbin) has promised to help by resorting to a consultant.

B) the north magnetic shielding is held by the RAL purchasing office -- hope is to solve the problem with some help from the PPD head here again.

Andy has good relations with Maurizio and will try to help him ship the TOF1 as early as possible. Placing TOF0 in the DSA will have to wait until August unless both a) it is well debugged and b) an opportunity arises to place it in its final position in the DSA.

Reviews required: Focus coils, DAQ, RF infrastructure, Software

It was agreed that the following 'godfathers' would make sure that the review takes place and help in the organization:

FC: Andy Nichols (Wing Lau is the WBS responsible, CC: Tom Bradshaw)

DAQ: Alan Bross will review the draft and send it around. Godfather Dan Kaplan, WBS responsible, JSGrulich

RF Infrastructure: Godfather Mike Zisman WBS: Andy Moss

Software: Godfather John Cobb, WBS Malcolm Ellis

H2 infrastructure: Godfather Andy, WBS

## 2. Matters arising from the collaboration meeting

-- delay in spectrometer solenoids: should we modify the aspirational schedule to take into account the time it takes to receive, cool down, equip, quench test etc.. the solenoids?

It was decided not to change the schedule until a) the sequence of above actions (and the time it takes to execute them) are better understood; and b) every effort has been made to advance the schedule of delivery of the solenoids and sharpen the magnetic measurement time scales.

-- TOF delivery. Nobody has a clear understanding of the problem with the phototubes, and why TOF1 needs to come to RAL so long after TOF0. The EB reiterates that TOF1 is integral part of STEP I, and that the lack of the TOFs is now

slowing down the experiment.

-- personnel issues

Project Manager: no replacement in sight. Mike Zisman insists on the need to have a local accelerator physicist on board.

This last point is made even more crucial by the fact that Kevin Tilley will also leave ISIS and RAL. A replacement by someone in ISIS is clearly desirable.

### 3. MOM missions for June and July

The document was reviewed. Corrected names were added and a few points corrected.

#### 3.1

In particular the very important point of the investigation of the maximum tolerable beam losses must be addressed with the ISIS management so as to define the proper strategy before the MOM is charged with the investigation. The aim was set to gain a factor 50 in the source term for steps 1-4 and 500 for steps 5-6. Other investigation (target orientation and material, local shielding or optics, improvement in pion collection) were considered.

4. collaboration meeting. Mike Zisman stressed that a meeting in November (Berkeley) followed so closely by a meeting in January (Harbin) do not make sense. Alain stressed that the risk was to disperse the collaboration if we cancelled it. A better solution seems to hold a meeting at RAL just after the running period september-october.

Alain will circulate proposal that the collaboration meeting be shifted to 19-20-21 october at RAL. (sunday to tuesday; wrap up and EB on wednesday morning?)

### 5. Funding situation.

5.1 concerning STFC situation and the MICE UK Phase II bid. Estimate has changed, this is due to a reevaluation (Bottom up) of the costs in particular infrastructure.

-- Alain will draft letter to Womersley in an informative style including

a) investments from overseas (Coupling coils, RFCC, SW, absorbers, etc.. in view of step VI)

b) importance of not underfunding infrastructure (lessons learned from phase I, infrastructure can be used beyond MICE step VI, etc..)

c) make explicit the missions of MICE UK in that they cannot be easily picked up by non UK collaborators.

Will stress MUTAC recommendation and the fact that step VI is the original proposal not a scope creep.

Also Alain will prepare a description of the MICE steps including responsibilities and contribution of all parties, for Ms Jamieson.

For the next EB Ken will prepare a description of the MICE-UK revised estimate.

MICE and UKNF oversight committee in July. Suggested speakers were reviewed and following comments made:

1. Zisman should speak last and address long term value of cooling facility with a muon beam, emitters, RF sources and LH2 infrastructure
2. Soler as EUROnu speaker: preference for a CERN speaker if possible (stress collaboration).
3. Shiltsev: maybe Geer would be a more 'controllable speaker'